REPLACEMENT DRAWING Sheet 1 of 4

Title: System and Method for Using Native Code Interpretation to Move Threads to a Safe State in a Run-Time Environment

Docket No.: BEAS-1299US1

Inventor(s): Joakim Dahlsted et al. Attorney: Julie Daniels Missud

December 16, 2003

Phone: (415) 362-3800

Serial No.: 10/737,326

Roll thread

forward

Allow all threads to execute normally Allow first thread (stopping thread) to halt execution of second thread (executing thread) Determine if executing thread is in a Υ safe state Ν 10 If executing thread is not in a safe state allow stopping thread to roll executing thread forward

Stop executing thread in safe state

FIG. 1

REPLACEMENT DRAWING - Sheet 2 of 4

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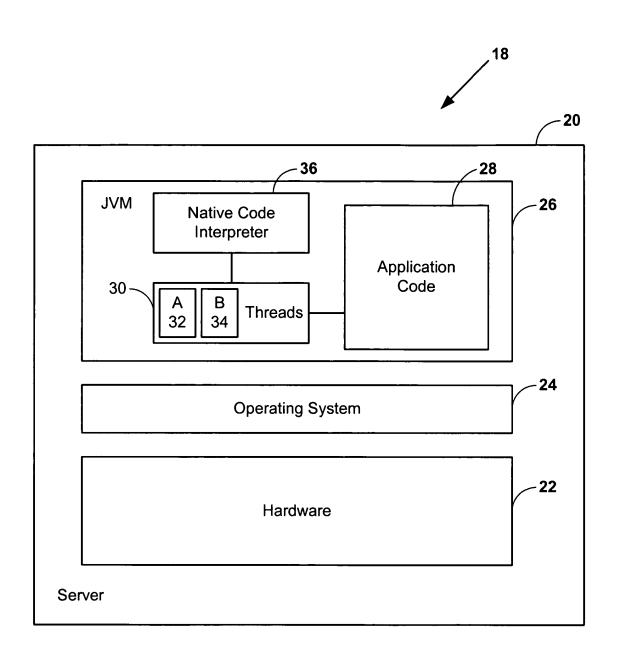


FIG. 2



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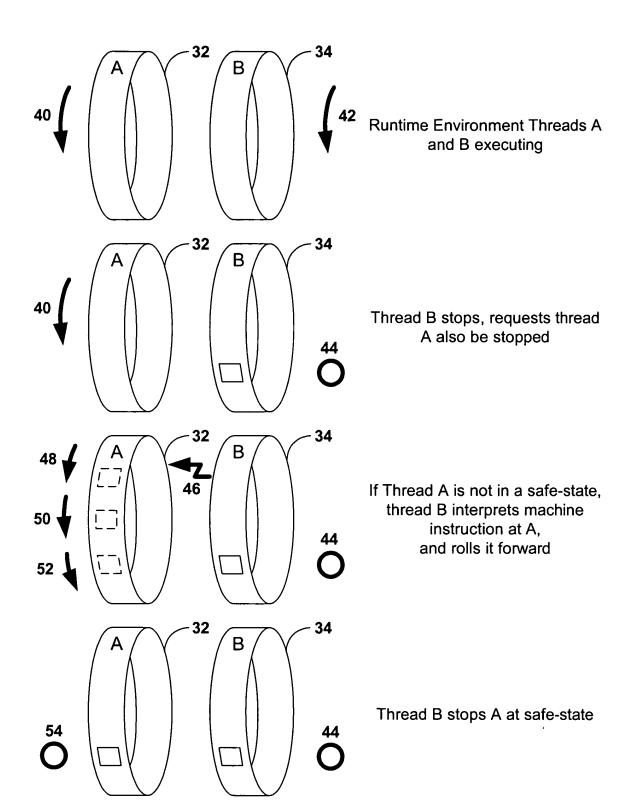


FIG. 3

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If executing thread is not in a safe state allow stopping thread to roll executing thread forward 62 Interpret machine instruction currently at executing thread Executing thread's update state accordingly 66 Return to determine status of executing thread

FIG. 4